Bibliographic Information: WO03/037864

Preparation of indole derivatives as inhibitors of human liver glycogen phosphorylase a. Nakamura, Takeshi; Takagi, Masaki; Ueda, Nobuhisa. (Japan Tobacco Inc., Japan). PCT Int. Appl. (2003), 237 pp. CODEN: PIXXD2 WO 2003037864 A1 20030508 Designated States W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW. Designated States RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG. Patent written in Japanese. Application: WO 2002-JP11234 20021029. Priority: JP 2001-331501 20011029. CAN 138:368761 AN 2003:356418 CAPLUS

Patent Family Information

Patent No.	Kind	Date	Application No.	Date
WO 2003037864	A1	20030508	WO 2002-JP11234	20021029
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2465382	AA	20030508	CA 2002-2465382	20021029
JP 2003201279	A2	20030718	JP 2002-315100	20021029
EP 1452526	A1	20040901	EP 2002-777995	20021029
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
US 2005054696	A1	20050310	US 2004-493853	20041021

Priority Application		
JP 2001-331501	A	20011029
WO 2002-JP11234	W	20021029

Abstract

The title compds. I [R1 = H, alkyl, etc.; R2 = H, halo; R3 = halo, alkyl, etc.; R4 = H, alkyl; R5 = H, alkyl, alkoxycarbonyl; R6 = H, alkyl, etc.; R7 = C(:X)AB; X = O, etc.; A = NR8, etc.; R8 = H, alkyl, etc.; B = (un)substituted Ph, etc.] are prepd. I are useful in the treatment of diabetes. Compds. of this invention in vitro showed IC50 values of 0.010 μM to > 0.1 μM against human liver glycogen phosphorylase a.

I